Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/04/2016 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124260	-1	1.84	124144	1.81
Blue	F	SSC	125000	123784	-1	3.40	124147	3.11
Blue	E	FITC	22946	22515	-2	2.43	1002	9.77
Blue	D	PE	28770	28149	-3	1.99	1011	9.10
Blue	B	PerCP-Cy5-5	51099	50496	-2	3.37	1453	15.89
Blue	A	PE-Cy7	42312	41600	-2	4.97	642	33.49
Red	C	APC	52169	51235	-2	2.90	2954	9.57
Red	A	APC-Cy7	56705	55417	-3	2.99	1145	11.04
Violet	B	V450	14708	14128	-4	4.34	680	9.42
Violet	A	V500	58608	57007	-3	4.10	2532	6.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19629	5.51	597	-1	N/A	N/A	Pass
Blue	F	SSC	61615	1.88	527	9	N/A	N/A	Pass
Blue	E	FITC	113	37.93	534	3	0.0234	214	Pass
Blue	D	PE	221	27.36	529	3	0.1920	261	Pass
Blue	B	PerCP-Cy5-5	228	41.99	625	3	0.0116	95	Pass
Blue	A	PE-Cy7	71	109.82	672	1	0.0134	12	Pass
Red	C	APC	346	26.60	590	0	0.0196	0	Pass
Red	A	APC-Cy7	126	40.43	574	-2	0.0060	1958	Pass
Violet	B	V450	82	45.26	466	7	0.0445	2257	Pass
Violet	A	V500	184	26.33	495	7	0.0149	1507	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-30.95	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.27	13.27 - 19.91	N/A	N/A	31.15	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9635

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments